



Espacenet

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BIO-IMPEDANCE MEASURING DEVICE

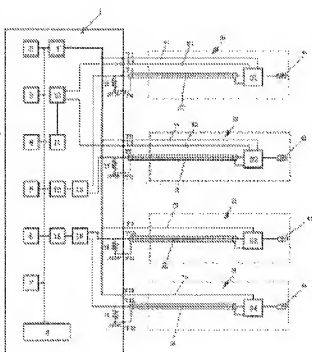
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Abstract of JP 2001061804 (A)

PROBLEM TO BE SOLVED: To accurately measure the bio-impedance from low to high frequencies, preventing errors caused by the capacity between a cable and the ground and by the length of the cable used for the measurement. **SOLUTION:** This bio-impedance measuring device consists of the measuring device main body 1, probes 21 and 22 for feeding high frequency currents and probes 23 and 24 for measuring the potential difference. Current detectors 51 and 52 are disposed near high frequency current electrodes 41 and 42 to be brought into contact with an organism of the probes 21 and 22 for feeding high frequency currents respectively, and high input impedance amplifiers 63 and 64 are disposed near potential-difference measuring electrodes 43 and 44 to be brought into contact with an organism of the probes 23 and 24 for measuring the potential difference respectively. Each measured value is sent to the measuring device main body 1 through impedance-matched shield cables 31-34 without being affected by external turbulence.



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